

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. – 48. (Cancelled)

49. (Currently Amended) An array comprising two or more nucleic acid molecules immobilized on a substrate, wherein at least two of the nucleic acid molecules have a nucleic acid sequence consisting of:

(a) the nucleic acid sequence as shown in of SEQ ID NOS:12, 15, 21, 22, 23, 24, 25, 26, 35 or 44; or

(b) a nucleic acid sequence prepared using amplification and primer pairs, wherein the primer pairs are selected from the following pairs of nucleic acid sequences:

SEQ ID NO:70 and SEQ ID NO:71;

SEQ ID NO:76 and SEQ ID NO:77;

SEQ ID NO:88 and SEQ ID NO:89;

SEQ ID NO:90 and SEQ ID NO:91;

SEQ ID NO:92 and SEQ ID NO:93;

SEQ ID NO:94 and SEQ ID NO:95;

SEQ ID NO:96 and SEQ ID NO:97;

SEQ ID NO:98 and SEQ ID NO:99;

SEQ ID NO:116 and SEQ ID NO:117; or

SEQ ID NO:134 and SEQ ID NO:135;

(cb) the nucleic acid sequence of (a)-or-(b), wherein T can be U-; or

(d) a fragment of (a) to (c) that specifically hybridizes to one ABC transporter gene.

50. (Previously Amended) The array according to claim 49, wherein the array is a microarray.

51 – 72. (Cancelled)

73-77. (Cancelled).

78. (Currently Amended) An array for screening a sample for the presence of nucleic acid molecules that encode human ABC transporters, the array comprising a substrate having immobilized in distinct spots thereon at least 10 nucleic acid probes, wherein 10 of the probes consist of:

- 1) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B1, wherein the nucleic acid sequence of the probe is selected from the group consisting of:
 - (a) a nucleic acid sequence consisting of SEQ ID NO. 12, and
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 70 and SEQ ID NO. 71,~~
 - (c) ~~a nucleic acid sequence of (a) or b) wherein T can be U;~~ and
 - (d) ~~a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B1;~~
- 2) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B4, wherein the nucleic acid sequence of the probe is selected from the group consisting of:
 - (a) a nucleic acid sequence consisting of SEQ ID NO. 15, and
 - (b) ~~a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 76 and SEQ ID NO. 77,~~
 - (c) ~~a nucleic acid sequence of (a) or b) wherein T can be U;~~ and
 - (d) ~~a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B4;~~
- 3) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B11, wherein the nucleic acid sequence of the probe is selected from the group consisting of:
 - (a) a nucleic acid sequence consisting of SEQ ID NO. 21, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 88 and SEQ ID NO. 89;

(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;₁ and

(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter B11;

4) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C1, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 22, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 90 and SEQ ID NO. 91;

(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;₁ and

(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C1;

5) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C2, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 23, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 92 and SEQ ID NO. 93;

(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;₁ and

(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C2;

6) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C3, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 24, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 94 and SEQ ID NO. 95;

(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;
(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human transporter C3;

7) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C4, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 25, and
(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 96 and SEQ ID NO. 97;
(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;
(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C4;

8) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C5, wherein the nucleotide sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 26, and
(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 98 and SEQ ID NO. 99;
(cb) a nucleic acid sequence of (a) or (b) wherein T can be U;
(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter C5;

9) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter D1, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 35, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 116 and SEQ ID NO. 117;

(cb) a nucleic acid sequence of (a)-or-b) wherein T can be U₁ and

(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter D1; and

10) a probe that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter G2, wherein the nucleic acid sequence of the probe is selected from the group consisting of:

(a) a nucleic acid sequence consisting of SEQ ID NO. 44, and

(b) a nucleic acid sequence prepared using amplification and primer pairs having the nucleic acid sequence of SEQ ID NO. 134 and SEQ ID NO. 135;

(eb) a nucleic acid sequence of (a) or-b) wherein T can be U₁ and

(d) a fragment of a), b) or c) that specifically hybridizes to a nucleic acid sequence encoding human ABC transporter G2.

79.-81. (Cancelled)

82. (Presently Amended) The array according to claim 78,

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter B1₁ is the nucleic acid sequence consisting of SEQ ID NO. 12;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter B4₁ is the nucleic acid sequence consisting of SEQ ID NO. 15;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter B11₁ is the nucleic acid sequence consisting of SEQ ID NO. 21;

wherein the nucleic acid sequence of the probe that specifically hybridizes to

the nucleic acid sequence encoding human ABC transporter C1₊ is the nucleic acid sequence consisting of SEQ ID NO. 22;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter C2₊ is the nucleic acid sequence consisting of SEQ ID NO. 23;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter C3₊ is the nucleic acid sequence consisting of SEQ ID NO. 24;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter C4₊ is the nucleic acid sequence consisting of SEQ ID NO. 25;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter C5₊ is the nucleic acid sequence consisting of SEQ ID NO. 26;

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter D1₊ is the nucleic acid sequence consisting of SEQ ID NO. 35; and

wherein the nucleic acid sequence of the probe that specifically hybridizes to the nucleic acid sequence encoding human ABC transporter G2₊ is the nucleic acid sequence consisting of SEQ ID NO. 44.

83-85. (Cancelled)